

What is claimed is:

1. An image processing apparatus, comprising:

a camera function portion;

5 a communication judging portion for judging whether or not a communication with an external communication device is possible by a signal from said external communication device; and

a data communication portion which carries out the communication with said external communication device when judged by said communication judging portion that the communication is possible and transmits data including a program for controlling said camera function portion from said external communication device to said external communication device;

said camera function portion including

15 an operating portion for inputting an operation externally;

an imaging portion for photographing an image of a subject;

a digital processing portion for performing a digital processing to various signals including photographing data of said imaging portion;

a displaying portion for displaying image data processed by said digital processing portion;

20 a communication function portion included in a main body of said image processing apparatus or provided attachably and detachably on said main body of said image processing apparatus to communicate with said external communication device;

25 a data storing portion for storing digital data which relates to said digital processing portion; and

a central controlling portion for controlling said operating portion,

said imaging portion, said digital processing portion, said displaying portion, said communication function portion and said data storing portion.

5 2. The image processing apparatus according to claim 1, wherein an interface program for controlling said camera function portion is included in communication data transmitted and received with said external communication device, and said data communication portion includes an control interface portion established by the interface
10 program for controlling said camera function portion using control data from said external communication device.

3. The image processing apparatus according to claim 2, wherein a
15 media interface program for transmitting and receiving data with said digital processing portion which is in said camera function portion is included in the communication data transmitted and received with said external communication device, and said data communication portion includes a media interface portion established by the media interface
20 program for carrying out at least one of receiving of digital processing data of said digital processing portion by said external communication device and processing of transmission data from said external communication device by said digital processing portion, from said external communication device using said control data.

25 4. The image processing apparatus according to claim 1, wherein the apparatus further comprises a communication device which has a telephone function for transmitting and receiving at least one of voice

data and image data via a telephone line of at least one of a fixed closed-circuit line and a portable wireless line, and a telephone processing portion for carrying out at least one of a playback of voice of the voice data from said communication device and a playback and
5 displaying of the image data from said communication device when at least judged by said communication judging portion that the communication is possible, included in said camera function portion.

5. The image processing apparatus according to claim 2, wherein the
10 main body of said image processing apparatus and said external communication device include a communication portion of continuous data for mutually transmitting and receiving continuous data like a conversation voice independently from said control interface portion or said media interface portion, and data by said control interface portion
15 or said media interface portion is communicated concurrently with the transmitting and the receiving of said continuous data even while the communication of said continuous data by the communication portion of the continuous data is carried out.

20 6. The image processing apparatus according to claim 2, wherein a media interface program for transmitting and receiving data of said data storing portion which is in said camera function portion is included in the communication data transmitted and received with said external communication device, and said data communication portion includes a
25 media interface portion established by the media interface program for carrying out at least one of storing of the data to said data storing portion and a readout of the data from said data storing portion, from

said external communication device using said control data.

7. The image processing apparatus according to claim 6, wherein said media interface portion includes a storing portion for storing voice data inputted by a microphone and processed with encoding in said external communication device to said data storing portion which is in said camera function portion by transmitting the voice data to the main body of said image processing apparatus.

8. The image processing apparatus according to claim 6, wherein said media interface portion includes a playback portion for carrying out a playback of voice data stored in said data storing portion which is in said camera function portion by means of a speaker by receiving the voice data by said external communication device and processing decoding on the voice data in the external communication device.

9. The image processing apparatus according to claim 6, wherein said media interface portion includes a storing portion for storing voice data inputted by a microphone and processed with encoding in said external communication device to said data storing portion by transmitting the voice data to the main body of said image processing apparatus and associating the voice data with image data stored in said data storing portion which is in said camera function portion.

10. The image processing apparatus according to claim 6, wherein said media interface portion includes a transmitting portion for transmitting an image data to said external communication device by resizing the

image data in said camera function portion of the main body of said image processing apparatus according to a resizing method based on control data transmitted from said external communication device.

5 11. The image processing apparatus according to claim 6, wherein said media interface portion includes an adding portion for adding symbol information created by using a function for creating the symbol information which includes characters provided in said external communication device to a selected file which has been stored of said data storing portion which is in said camera function portion by
10 transmitting the symbol information to the main body of said image processing apparatus.

12. The image processing apparatus according to claim 11, wherein
15 said media interface portion further includes a transmitting portion for transmitting the symbol information created by using the function for creating the symbol information which includes the characters provided in said external communication device to the main body of the image processing apparatus as image information which can be utilized even in
20 said camera function portion in the main body of said image processing apparatus.

13. The image processing apparatus according to claim 11, wherein said media interface portion further includes a selecting portion capable
25 of selecting a method of selecting and specifying of a data file alternatively from a plurality of methods of the selecting and the specifying including a method of selectively specifying the data file by

displaying an original file name of said data file on a displaying portion in said external communication device and a method of selectively specifying the data file by displaying the symbol information added to said data file on the display portion, when specifying the data file stored to said data storing portion which is in said camera function portion from said external communication device.